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United States Department of Agriculture,

WASHINGTON, D. C., February 27, 1915.

MONTHLY LIST OF PUBLICATIONS.

[FEBRUARY, 1915.]

No publications are sold by the Department of Agriculture; therefore do not send money to this office.

Copies of any of the publications listed herein, except the Journal of Agricultural Research and publications of the Weather Bureau, may be obtained free upon application to the Editor and Chief of the Division of Publications, United States Department of Agriculture, Washington, D. C., as long as the department's supply lasts.

When this department's supply is exhausted, publications can be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., by purchase only, and at the prices noted herein.

Send all remittances to the Superintendent of Documents direct. His office is not a part of the Department of Agriculture.

COUPON SYSTEM REESTABLISHED.

For the convenience of the general public, coupons that are good until used in exchange for Government publications sold by the Superintendent of Documents may be purchased from his office in sets of 20 for \$1.

REPORTS.

Annual Reports of the Department of Agriculture for the year ended June 30, 1914.

Report of the Secretary, with Reports of Heads of the several branches of the department. Pp. 359. Price, 40 cents. No copies available for distribution through the Department.

Annual Report of the Guam Agricultural Experiment Station, for 1914. Pp. 27, pls. 5, figs. 6. Feb. 26, 1915. Price, 10 cents.

Annual Report of the Hawaii Agricultural Experiment Station for 1914. Pp. 73, pls. 3. Feb. 20, 1915. Price, 10 cents.

SERIALS.

Journal of Agricultural Research. Vol. 3, No. 5. February, 1915. Contents: Life History of the Mediterranean Fruit Fly from the Standpoint of Parasite Introduction. By E. A. Back and C. E. Pemberton.—Relation of Simultaneous Ovulation to the Production of Double-Yolked Eggs. By Maynie R. Curtis.—Brachysm, a Hereditary Deformity of Cotton and Other Plants. By O. F. Cook.—Ability of Colon Bacilli to Survive Pasteurization. By S. Henry Ayers and W. T. Johnson, jr.—Fitting Logarithmic Curves by the Method of Moments. By John Rice Miner.—Organic Phosphoric Acid of Rice. By Alice R. Thompson.—Two Clover Aphids. By Edith M. Patch. Pp. 363-433, pls. xliv-lxii, figs. 3. Price, 25 cents.

NOTE.—THE JOURNAL OF AGRICULTURAL RESEARCH will be distributed free *only* to the libraries of agricultural colleges and experiment stations, to large universities, technical schools, and such institutions as make suitable exchanges with the department. It will not be sent free to individuals. The Superintendent of Documents will receive subscriptions for this publication, the price being \$2.50 per year, 12 numbers.

Experiment Station Record, Vol. XXXII, No. 1, January, 1915. E. W. Allen, Ph. D., Editor. Pp. 1-100. Price, 15 cents.

Same, Vol. XXXII, No. 2, February, 1915. Pp. 101-200. Price, 15 cents.

The record contains numerous abstracts of the publications of the agricultural experiment stations and kindred institutions in this and other countries, articles and editorials on topics of special interest in agricultural science by American and foreign experts, and notes on the experiment stations. The Superintendent of Documents has fixed the price of this serial, which is now issued in two volumes a year, 10 numbers each, at \$1 a volume.

SERVICE AND REGULATORY ANNOUNCEMENTS.

These contain *only* information, instructions, and notices governing the enforcement of the pure food and quarantine laws, and the various regulations of the department. Issued monthly by certain bureaus. *Free distribution* is limited to persons in the employ of the department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by same. Others desiring copies are respectfully referred to the Superintendent of Documents, Government Printing Office, who has them for sale *only*, at 5 cents per copy.

Bureau of Animal Industry. January, 1915. Pp. 1-20. No. 93. Feb. 18, 1915.
 Bureau of Chemistry. September, 1914, Supplement. Pp. 691-738. No. 9, Supplement. Feb. 14, 1915.
 Insecticide and Fungicide Board. October, November, and December, 1914. Pp. 93-108. No. 7. Feb. 10, 1915.
 Federal Horticultural Board. January, 1915. Pp. 1-6. No. 12. Feb. 20, 1915.
 Office of Markets. Pp. 13-15. No. 2. Feb. 13, 1915.

SOIL SURVEYS.

Soil Survey of Goodhue County, Minnesota. By William G. Smith, H. L. Westover, E. D. Gilbert, and N. M. Kirk. Pp. 34, fig. 1, map. (From F. O. Soils, 1913.) Price, 15 cents.
 Soil Survey of Orangeburg County, South Carolina. By J. H. Agee, E. C. Hall, R. B. Hardison, J. O. Veatch, and L. Cantrell. Pp. 39, fig. 1, map. (From F. O. Soils, 1913.) Price, 15 cents.
 Soil Survey of Boone County, West Virginia. By W. J. Latimer. Pp. 26, fig. 1, map. (From F. O. Soils, 1913.) Price, 15 cents.

BULLETINS.

Highway Bonds: A Compilation of Data and an Analysis of Economic Features Affecting Construction and Maintenance of Highways Financed by Bond Issues, and the Theory of Highway Bond Calculations. By Laurence I. Hewes, Chief, Economics and Maintenance, and James W. Glover, Professor of Mathematics and Insurance, University of Michigan, Collaborator, Office of Public Roads. Pp. 136, pls. 9. Contribution from the Office of Public Roads. Feb. 12, 1915. (Department Bulletin 136.) Price, 25 cents.

The department has no copies of this bulletin in stock. It can be secured through the Office of the Superintendent of Documents only. Send all remittances to that official direct and not to this Office.

The Eastern Hemlock. By E. H. Frothingham, Forest Examiner. Pp. 43, pls. 5. Contribution from the Forest Service. Feb. 3, 1915. (Department Bulletin 152.) Price, 10 cents.

This bulletin describes the more important characteristics of hemlock, presents tables of its volume and rate of growth, and gives the chief facts regarding its utilization.

Para-Dichlorobenzene as an Insect Fumigant. By A. B. Duckett, Scientific Assistant, Truck Crop and Stored Product Insect Investigations. Pp. 7, pls. 2. Contribution from the Bureau of Entomology. (Professional Paper.) Feb. 10, 1915. (Department Bulletin 167.) Price, 5 cents.

Gives directions for the use of para-dichlorobenzene both as an insecticide and as a fumigant.

Injury by Disinfectants to Seeds and Roots in Sandy Soils. By Carl Hartley, Pathologist, Investigations in Forest Pathology. Pp. 35, pls. 1, figs. 2. Contribution from the Bureau of Plant Industry. (Professional Paper.) Feb. 20, 1915. (Department Bulletin 169.) Price, 5 cents.

Preliminary tests of disinfectants in controlling damping-off in various nursery soils.

The European Pine-Shoot Moth; A Serious Menace to Pine Timber in America. By August Busck, Entomological Assistant, Forest Insect Investigations. Pp. 11, pls. 6. Contribution from the Bureau of Entomology. Feb. 9, 1915. (Department Bulletin 170.) Price, 5 cents.

Gives the life history, habits, and methods of control of this insect, which is a menace to pine trees.

Food of the Robins and Bluebirds of the United States. By F. E. L. Beal, Assistant Biologist. Pp. 31, figs. 2. Contribution from the Bureau of Biological Survey. (Professional Paper.) Feb. 5, 1915. (Department Bulletin 171.) Price, 5 cents.

This bullet in discusses the value of robins and bluebirds as insect destroyers and shows how the small damage done by the former may be reduced by supplying wild fruits to meet their requirements. It is for general distribution.

The Production and Consumption of Dairy Products. By Eugene Merritt. Pp. 19. Contribution from the Bureau of Crop Estimates. Feb. 15, 1915. (Department Bulletin 177.) Price, 5 cents.

This bulletin outlines the changes in the geographic distribution of the dairy industry and gives information concerning the consumption of dairy products on farms and in cities. It is of special interest to those engaged in any phase of dairying or in the distribution of dairy products.

Agricultural Alcohol: Studies of Its Manufacture in Germany. By Edward Kremers, Special Agent, Plant Physiological and Fermentation Investigations. Pp. 35. Contribution from the Bureau of Plant Industry. (Professional Paper.) Feb. 2, 1915. (Department Bulletin 182.) Price, 5 cents.

This report brings out the fact that the success of agricultural alcohol in Germany is the result of long-continued experimentation, backed by a determination on the part of those high in authority that the project should succeed.

A Method of Fumigating Seed. By E. R. Sasscer, Chief Inspector, Federal Horticultural Board, and Lon A. Hawkins, Plant Physiologist, Plant Physiological and Fermentation Investigations. Pp. 6, figs. 2. Contribution from the Bureau of Entomology and Bureau of Plant Industry. Feb. 27, 1915. (Department Bulletin 186.) Price, 5 cents.

Fumigation by the method described in this bulletin was found to kill insects without injury to the seed and with a considerably shorter exposure than is necessary in the usual method of seed fumigation.

Preliminary Census of Birds of the United States. By Wells W. Cooke, Assistant Biologist. Pp. 11, fig. 1. Contribution from the Bureau of Biological Survey. Feb. 11, 1915. (Department Bulletin 187.) Price, 5 cents.

This bulletin is a preliminary report on the number and relative abundance of wild birds. It is for the information of those interested in the protection and increase of birds.

Insects Injurious to Forests and Forest Products. II. Biology of the Termites of the Eastern United States, with Preventive and Remedial Measures. By Thomas E. Snyder, Entomological Assistant, Forest Insect Investigations. Pp. v+13-85, pls. III-XVII. figs. 11. Feb. 17, 1915. (Bulletin 94, Part 2, Bureau of Entomology.) Price, 20 cents.

Describes injuries done to telegraph and telephone poles and bridge timbers by the "white ant", and suggests methods of prevention.

Contents and Index to Bulletin 115, Bureau of Entomology. Pp. xi+183-186. Feb. 5, 1915. Price, 5 cents.

Contents and Index to Technical Series No. 27, Bureau of Entomology. Pp. xi+111-114. Feb. 13, 1915. Price, 5 cents.

Grasses and Forage Plants of Hawaii. By C. K. McClelland, Agronomist. Pp. 43, pls. 9. Feb. 20, 1915. (Bulletin 36, Hawaii Agricultural Experiment Station.) Price, 15 cents.

Ammonification and Nitrification in Hawaiian Soils. By W. P. Kelley, Chemist. Pp. 52. Feb. 25, 1915. (Bulletin 37, Hawaii Agricultural Experiment Station.) Price, 10 cents.

Fungus Diseases of Coffee in Porto Rico. By G. L. Fawcett, Plant Pathologist. Pp. 29, pls. 8. Feb. 9, 1915. (Bulletin 17, Porto Rico Agricultural Experiment Station.) Price, 10 cents.

Rules and Regulations of the Secretary of Agriculture under the United States Cotton Futures Act of August 18, 1914. Pp. 24. Feb. 11, 1915. (Circular 46, Office of the Secretary.) Price, 5 cents.

How To Kill and Bleed Market Poultry. By M. E. Pennington, Chief Food Research Laboratory, and H. M. P. Betts. Pp. 12, figs. 6. Revised edition, Feb. 4, 1915. (Circular 61, Revised, Bureau of Chemistry.) Price, 5 cents.

SEPARATES.

The Organization of a Rural Community. By T. N. Carver, Adviser in Agricultural Economics, Office of Markets and Rural Organization. Pp. 58, figs. 2. (Separate 632, Yearbook 1914.) Price, 5 cents.

FARMERS' BULLETINS.

Some Common Birds Useful to the Farmer. By F. E. L. Beal, Assistant Biologist. Pp. 27, figs. 23. Contribution from the Bureau of Biological Survey. Feb. 13, 1915. (Farmers' Bulletin 630.)

The habitat, food habits, and economic relation to agriculture of more than 50 birds common to farming sections are discussed in this bulletin. It supersedes Farmers' Bulletin 54.



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Tomato Growing in the South. By H. C. Thompson, Horticulturist, Office of Horticultural and Pomological Investigations. Pp. 13, figs. 9. Contribution from the Bureau of Plant Industry. Feb. 8, 1915. (Farmers' Bulletin 642.)

Of especial interest to truck growers and members of canning clubs in the South.

Crimson Clover: Seed Production. By J. M. Westgate, Agronomist in Charge of Clover Investigations, Office of Forage-Crop Investigations. Pp. 13, figs. 13. Contribution from the Bureau of Plant Industry. Feb. 19, 1915. (Farmers' Bulletin 646.)

This bulletin is adapted primarily to the crimson-clover section, viz, the eastern portion of the United States south of Pennsylvania.

Alfalfa Attacked by the Clover-Root Curculio. By F. M. Webster, In Charge of Cereal and Forage Insect Investigations. Pp. 8, figs. 6. Contribution from the Bureau of Entomology. Feb. 27, 1915. (Farmers' Bulletin 649.)

In this bulletin attention is directed to the serious injury to clover and alfalfa caused by the clover-root curculio, and a description of the insect, its feeding habits, and remedial and preventive measures are given.

The Agricultural Outlook. Contribution from the Bureau of Crop Estimates. Feb. 6, 1915. Pp. 29. (Farmers' Bulletin 651.)

Contents: Live stock on farms, January 1, 1915.—Live-stock values per head.—Yearly marketings of live stock.—Effect of war upon exports of horses.—Foot-and-mouth disease.—Stock of potatoes, January 1, 1915.—Fall seedlings in cotton states.—Crop-value comparisons.—Trend of prices of farm products.—Apple cold-storage holdings and the market.—Production of upland long-staple cotton.—Estimated number on farms and value of domestic animals (tables).—Prices of farm products (tables).—International Institute crop report.

PUBLICATIONS OF THE WEATHER BUREAU.

Publications of the Weather Bureau are obtainable only from the Chief of the Weather Bureau or the Superintendent of Documents, Government Printing Office, at the prices noted herein.

National Weather and Crop Bulletin, No. 2, February, 1915, reporting temperature, rainfall, and crop conditions throughout the United States. (Issued weekly, on Tuesday, April to October; monthly remainder of year.) Price, 25 cents a year.

Snow and Ice Bulletins for February 2, 9, 16, 23. These bulletins are issued weekly during the winter season, based upon data from regular Weather Bureau stations, supplemented by reports from selected cooperative observers. Price, 25 cents a year.

JOS. A. ARNOLD,
Editor and Chief Division of Publications.